25X1

NOFORN

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION REPORT

CD NO.

COUNTRY Poland

DATE DISTR. 1 July 1955

SUBJECT Power Station in Oswiecim

NO. OF PAGES 2

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO.

SUPPLEMENT TO REPORT NO.

25X1

THIS IS UNEVALUATED INFORMATION

25X1

25X1

1. The Oswiecim (Auschwitz) power station will be constructed with 10 boilers. Boilers Nos 1, 2, 3, 4, 5, 6, 7, and 9 have a capacity of 130 t/h, with a steam pressure of 84 atmospheres, and a temperature capacity of 500 degrees centigrades.

2. Boilers Nos 8 and 10, [redacted], have been constructed by t[redacted] (construction of apparatus and machines) Dr. [redacted] in Ahlhorn. These boilers had originally been erected at the Klingenberg power station in Berlin and had been disassembled for the Oswiecim power station.

25X1

3. Three dust-culm air separation mills are used at both boilers Nos 1 and 2, which have been delivered by the Vereinigte Volkseigne Betriebe des Energie- und Kraftmaschinenbaus (united nat[redacted] enterprises for the construction of energy and power engine[redacted] Similar dust culm mills will also be installed at boilers Nos 5 t[redacted] 10. No dust-culm air separation mills are used at boilers Nos 3 and 4 which have been delivered

25X1

4. The [redacted] mills are constructed at VEB [redacted] [redacted] (machines for the crushing of hard materials) at [redacted] mills are used for the crushing, fine grinding, and pulverization of all materials which do not smear or stick. These mills are especially used to crush mineral materials to the attainable mesh size of DIN 1171, size 100, if the materials are charged into the mills in the size of hazelnuts or walnuts. The dust-culm air separation mills are constructed to be used for air sifting and screen sizing respectively. Materials with an initial moisture of 4 to 6 percent water are dry crushed up to a maximum water content of 18 percent.

5. Mill cases, supports, and grinding dishes consisted of gray iron and the rocking levers consisted of cast steel. Easily removed wearing parts like grinding rings and Wakenmantel (sic) consisted of chill castings, chromium steel, and austenitic manganese [redacted] according to materials to be crushed. The turnin[redacted] spur gearing. Mahlwaken (worn parts. A suitable sp[redacted]

ILLEGIB

and

S-E-C-R-E-T

CLASSIFICATION NOFORN

25X1

STATE	x	NAVY	x	NSRB		DISTRIBUTION						
ARMY	#x	AIR	#x	FBI								

and gear wheels [redacted] an oil bath. The grinding roller bedding [redacted] continuously [redacted] cooled and cooled by a constant-circulation oil.

6.

Technical data and measurements of the mills erected at the Oswiecim power plant follow: direct drive with coupling, oil gap, and electrometer reading on a central [redacted] 55 r.p.m.; power consumption: 130 to 160 kW; revolutions of the engine: 1,500 r.p.m.; performance figure: 10 to 14 t/h; maximum size of the feed: 25 to 30 mm; net weight of the gear: 6,500 kg; net weight of the mill without sifting device: 27,300 kg; total net weight of the mill with sifting device: 29,870 kg; service weight: 30,500 kg; length: 3,300 mm; width: 2,000 mm; height without sifting device: 2,770 mm.

[redacted] 25X1

INFORMATION REPORT

CD NO. 25X1

COUNTRY Poland

DATE DISTR. 1 July 1955

SUBJECT Power Station in Oswiecim

NO. OF PAGES 2

PLACE ACQUIRED

NO. OF ENCLS. (LISTED BELOW)

DATE OF INFO.

SUPPLEMENT TO REPORT NO. 25X1

THIS IS UNEVALUATED INFORMATION 25X1

1. The Oswiecim (Auschwitz) power station will be constructed with 10 boilers. Boilers Nos 1, 2, 3, 4, 5, 6, 7, and 9 have a capacity of 130 t/h, with a steam pressure of 84 atmospheres, and a temperature capacity of 500 degrees centigrades.

2. Boilers Nos 8 and 10, so-called Rota boilers, have been constructed by the Rota Apparate- und Maschinenbau (construction of apparatuses and machines) Dr. Hennig n.G. in Aachen. These boilers had originally been erected at the Klingenberg power station in Berlin and had been disassembled for the Oswiecim power station.

3. Three dust-culm air separation mills are used at both boilers Nos 1 and 2, which have been delivered by the Vereinigte Volkseigne Betriebe des Energie- und Kraftmaschinenbaus (united nationalized enterprises for the construction of energy and power engines) (EKM). Similar dust culm mills will also be installed at boilers Nos 5 through 10. No dust-culm air separation mills are used at boilers Nos 3 and 4 which have been delivered 25X1

4. The dust-culm air separation mills are constructed at VEB Hartzerkleinerungsmaschinen (machines for the crushing of hard materials) at Teltow near Berlin. These mills are used for the crushing, fine grinding, and pulverization of all materials which do not smear or stick. These mills are especially used to crush mineral materials to the attainable mesh size of DIN 1171, size 100, if the materials are charged into the mills in the size of hazelnuts or walnuts. The dust-culm air separation mills are constructed to be used for air sifting and screen sizing respectively. Materials with an initial moisture of 4 to 6 percent water are dry crushed up to a maximum water content of 18 percent.

5. Mill cases, supports, and grinding dishes consisted of gray iron and the rocking levers consisted of cast steel. Easily removed wearing parts like grinding rings and Wakenmantel (sic) consisted of chill castings, chromium steel, and austenitic manganese steel according to materials to be crushed. The turning grinding dishes were fastened at a special spur gearing. Mahlwaken (sic) were to swing-out (sic) for the removal of worn parts. A suitable springing consisting of a high-quality spring steel brings about the high capacity of the mill (sic). The gear unit and roller bearing were equipped with double roller bearings. Bevel gears

S-E-C-R-E-T

CLASSIFICATION NOFORN 25X1

STATE	NAVY	NSRB	DISTRIBUTION		
ARMY	AIR	FBI			

and gear wheels ran in an oil bath. The grinding roller bedding was continuously smeared and cooled by a constant-circulating oil.

6.

Technical data and measurements of the mills erected at the Oswiecim power plant follow: direct drive with coupling, oil cup, and electrometer resting on a central frame; type H/LM 1250 mill; type H/KS 170 gear; revolutions of the grinding dishes: 53 r.p.m.; power consumption: 130 to 160 kW; revolutions of the engine: 1,500 r.p.m.; performance figure: 10 to 14 t/h; maximum size of the feed: 25 to 30 mm; net weight of the gear: 6,500 kg; net weight of the mill without sifting device: 27,300 kg; total net weight of the mill with sifting device: 29,870 kg; service weight: 30,500 kg; length: 3,300 mm; width: 2,000 mm; height without sifting device: 2,770 mm.

25X1